STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

EFS

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/552,324A
Source: IFW0
Date Processed by STIC: 3/6/07

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):** U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED **SUGGESTED CORRECTION** **SERIAL NUMBER:** 10/552,324A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1_____Wrapped Nucleics
Wrapped Aminos — The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2_____Invalid Line Length — The rules require that a line not exceed 72 characters in length. This includes white spaces.

3_____Misaligned Amino Numbering — The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4_____Non-ASCII — The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5_____Variable Length — Sequence(s)____contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6_____PatentIn 2.0 "bug" — A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7_____Skipped Sequences (OLD RULES) — Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8_____Skipped Sequences (NEW RULES) — Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9_____Use of n's or Xaa's (NEW RULES) — Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10_____Invalid <213> Response — Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)

11_____Use of <220> — Sequence(s) ____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules

12_____PatentIn 2.0 "bug" — Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13_____Misuse of n/Xaa — "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

AMC – STIC Systems Branch – 03/02/06

IFWO

RAW SEQUENCE LISTING DATE: 03/06/2007
PATENT APPLICATION: US/10/552,324A TIME: 11:16:32

Input Set : N:\efs\03_06_07\10552324A_efs\4518-0111PUS1-ST25.txt
Output Set: N:\CRF4\03062007\J552324A.raw

3 <110> APPLICANT: Igeneon Krebs-Immuntherapie Forschungs- & Entwickl
5 <120> TITLE OF INVENTION: Immunogenic Recombinant Antibody
7 <130> FILE REFERENCE: Immunogenic Recombinant AB
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/552,324A
C--> 10 <141> CURRENT FILING DATE: 2005-10-07
12 <160> NUMBER OF SEQ ID NOS: 5
14 <170> SOFTWARE: PatentIn Ver. 2.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 3973
18 <212> TYPE: DNA
19 <213> ORGANISM: Artificial Sequence
21 <220> FEATURE:
22 <223> OTHER INFORMATION: Description of Artificial Sequence mAB 17-1A
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27 atgacccaat ctcccaaatc catgtccatg tcagtaggag agagggtcac cttgacctgc 180
W--> 28 aaggccagtg agaatgtggt tacttatgtt tcntggtatc aacagaaacc agagcagtct 240
29 cctaaactgc tgatatatgg ggcatccaac cggtacactg gggtccctga tcgcttcaca 300
30 ggcagtggat ctgcaacaga tttcactctg accatcagca gtgtgcaggc tgaagacctt 360
31 gcagattatc actgtggaca gggttacagc tatccgtaca cgttcggagg ggggaccaag 420
32 ctggaaataa aacgggctga tgctgcacca actgtatcca tcttcccacc atccagtgag 480
33 cagttaacat ctggaggtgc ctcagtcgtg tgcttcttga acaacttcta ccccaaagac 540
34 atcaatgtca agtggaagat tgatggcagt gaacgacaaa atggcgtcct gaacagttgg 600
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36 gacgagtatg aacgacataa cagctatacc tgtgaggcca ctcacaagac atcaacttca 720
37 cccattgtca agagcttcaa caggaatgag tgttagacgc gtggatccgc ccctctccct 780
38 cccccccccc taacgttact ggccgaagcc gcttggaata aggccggtgt gcgtttgtct 840
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40 ctgtcttctt gacgagcatt cctaggggtc tttcccctct cgccaaagga atgcaaggtc 960
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52 ctgactgcag acaaatcctc cagcactgcc tacatgcagc tcagcagcct gacatctgat 1680
53 gactctgcgg tctatttctg tgcaagagat ggtccctggt ttgcttactg gggccaaggg 1740

see pp 1-2, 46

Does Not Comply
Corrected Diskette Needed

please give the source of these monoclonal antibodies (see item 11 on Error Summary Sheet)

RAW SEQUENCE LISTING DATE: 03/06/2007
PATENT APPLICATION: US/10/552,324A TIME: 11:16:32

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Output Set: N:\CRF4\03062007\J552324A.raw

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56 cctgagccag tgaccttgac ctggaactct ggatccctgt ccagtggtgt gcacaccttc 1920
57 ccagctgtcc tgcagtctga cctctacacc ctcagcagct cagtgactgt aacctcgagc 1980
58 acctggccca gccagtccat cacctgcaat gtggcccacc cggcaagcag caccaaggtg 2040
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89 cgtttttccc agaaattgat ttggggaaat ataaacttct cccagaatac ccaggcgtcc 3900
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94 <211> LENGTH: 465
95 <212> TYPE: PRT
96 <213> ORGANISM: Artificial Sequence
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99 <223> OTHER INFORMATION: Description of Artificial Sequence: mAB 17-1A
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102 Met Glu Trp Ser Arg Val Phe Ile Phe Leu Leu Ser Val Thr Ala Gly
103 1 5 10 15
105 Val His Ser Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Val Arg
106 20 25 30

RAW SEQUENCE LISTING DATE: 03/06/2007
PATENT APPLICATION: US/10/552,324A TIME: 11:16:32

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108 Pro Gly Thr Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ala Phe
109          35                  40                  45
111 Thr Asn Tyr Leu Ile Glu Trp Val Lys Gln Arg Pro Gly Gln Gly Leu
112      50                  55                  60
114 Glu Trp Ile Gly Val Ile Asn Pro Gly Ser Gly Gly Thr Asn Tyr Asn
115  65                  70                  75                  80
117 Glu Lys Phe Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser
118                  85                  90                  95
120 Thr Ala Tyr Met Gln Leu Ser Ser Leu Thr Ser Asp Asp Ser Ala Val
121              100                 105                 110
123 Tyr Phe Cys Ala Arg Asp Gly Pro Trp Phe Ala Tyr Trp Gly Gln Gly
124          115                 120                 125
126 Thr Leu Val Thr Val Ser Ala Ala Lys Thr Thr Ala Pro Ser Val Tyr
127      130                 135                 140
129 Pro Leu Ala Pro Val Cys Gly Asp Thr Thr Gly Ser Ser Val Thr Leu
130 145                 150                 155                 160
132 Gly Cys Leu Val Lys Gly Tyr Phe Pro Glu Pro Val Thr Leu Thr Trp
133                 165                 170                 175
135 Asn Ser Gly Ser Leu Ser Ser Gly Val His Thr Phe Pro Ala Val Leu
136              180                 185                 190
138 Gln Ser Asp Leu Tyr Thr Leu Ser Ser Ser Val Thr Val Thr Ser Ser
139          195                 200                 205
141 Thr Trp Pro Ser Gln Ser Ile Thr Cys Asn Val Ala His Pro Ala Ser
142      210                 215                 220
144 Ser Thr Lys Val Asp Lys Lys Ile Glu Pro Arg Gly Pro Thr Ile Lys
145 225                 230                 235                 240
147 Pro Cys Pro Pro Cys Lys Cys Pro Ala Pro Asn Leu Leu Gly Gly Pro
148                 245                 250                 255
150 Ser Val Phe Ile Phe Pro Pro Lys Ile Lys Asp Val Leu Met Ile Ser
151              260                 265                 270
153 Leu Ser Pro Ile Val Thr Cys Val Val Val Asp Val Ser Glu Asp Asp
154          275                 280                 285
156 Pro Asp Val Gln Ile Ser Trp Phe Val Asn Asn Val Glu Val His Thr
157      290                 295                 300
159 Ala Gln Thr Gln Thr His Arg Glu Asp Tyr Asn Ser Thr Leu Arg Val
160 305                 310                 315                 320
162 Val Ser Ala Leu Pro Ile Gln His Gln Asp Trp Met Ser Gly Lys Glu
163                 325                 330                 335
165 Phe Lys Cys Lys Val Asn Asn Lys Asp Leu Pro Ala Pro Ile Glu Arg
166              340                 345                 350
168 Thr Ile Ser Lys Pro Lys Gly Ser Val Arg Ala Pro Gln Val Tyr Val
169          355                 360                 365
171 Leu Pro Pro Pro Glu Glu Glu Met Thr Lys Lys Gln Val Thr Leu Thr
172      370                 375                 380
174 Cys Met Val Thr Asp Phe Met Pro Glu Asp Ile Tyr Val Glu Trp Thr
175 385                 390                 395                 400
177 Asn Asn Gly Lys Thr Glu Leu Asn Tyr Lys Asn Thr Glu Pro Val Leu
178                 405                 410                 415
180 Asp Ser Asp Gly Ser Tyr Phe Met Tyr Ser Lys Leu Arg Val Glu Lys
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RAW SEQUENCE LISTING DATE: 03/06/2007
PATENT APPLICATION: US/10/552,324A TIME: 11:16:32

Input Set : N:\efs\03_06_07\10552324A_efs\4518-0111PUS1-ST25.txt
Output Set: N:\CRF4\03062007\J552324A.raw

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181                 420                 425                 430
183 Lys Asn Trp Val Glu Arg Asn Ser Tyr Ser Cys Ser Val Val His Glu
184         435                 440                 445
186 Gly Leu His Asn His His Thr Thr Lys Ser Phe Ser Arg Thr Pro Gly
187     450                 455                 460
189 Lys
190 465
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194 <211> LENGTH: 243
195 <212> TYPE: PRT
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: mAB 17-1A
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206             20                  25                  30
208 Met Thr Gln Ser Pro Lys Ser Met Ser Met Ser Val Gly Glu Arg Val
209         35                  40                  45
211 Thr Leu Thr Cys Lys Ala Ser Glu Asn Val Val Thr Tyr Val Ser Trp
212     50                  55                  60
214 Tyr Gln Gln Lys Pro Glu Gln Ser Pro Lys Leu Leu Ile Tyr Gly Ala
215 65                  70                  75                  80
217 Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg Phe Thr Gly Ser Gly Ser
218                 85                  90                  95
220 Ala Thr Asp Phe Thr Leu Thr Ile Ser Ser Val Gln Ala Glu Asp Leu
221             100                 105                 110
223 Ala Asp Tyr His Cys Gly Gln Gly Tyr Ser Tyr Pro Tyr Thr Phe Gly
224         115                 120                 125
226 Gly Gly Thr Lys Leu Glu Ile Lys Arg Ala Asp Ala Ala Pro Thr Val
227     130                 135                 140
229 Ser Ile Phe Pro Pro Ser Ser Glu Gln Leu Thr Ser Gly Gly Ala Ser
230 145                 150                 155                 160
232 Val Val Cys Phe Leu Asn Asn Phe Tyr Pro Lys Asp Ile Asn Val Lys
233                 165                 170                 175
235 Trp Lys Ile Asp Gly Ser Glu Arg Gln Asn Gly Val Leu Asn Ser Trp
236             180                 185                 190
238 Thr Asp Gln Asp Ser Lys Asp Ser Thr Tyr Ser Met Ser Ser Thr Leu
239         195                 200                 205
241 Thr Leu Thr Lys Asp Glu Tyr Glu Arg His Asn Ser Tyr Thr Cys Glu
242     210                 215                 220
244 Ala Thr His Lys Thr Ser Thr Ser Pro Ile Val Lys Ser Phe Asn Arg
245 225                 230                 235                 240
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252 <211> LENGTH: 243
253 <212> TYPE: PRT
254 <213> ORGANISM: Artificial Sequence
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RAW SEQUENCE LISTING DATE: 03/06/2007
PATENT APPLICATION: US/10/552,324A TIME: 11:16:32

Input Set : N:\efs\03_06_07\10552324A_efs\4518-0111PUS1-ST25.txt
Output Set: N:\CRF4\03062007\J552324A.raw

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Phe	Ile	Ser	Ile	Leu	Leu	Trp	Leu	Tyr	Gly	Ala	Asp	Gly	Asn	Ile	Val
		20					25					30			
Met	Thr	Gln	Ser	Pro	Lys	Ser	Met	Ser	Met	Ser	Val	Gly	Glu	Arg	Val
	35					40					45				
Thr	Leu	Thr	Cys	Lys	Ala	Ser	Glu	Asn	Val	Val	Thr	Tyr	Val	Ser	Trp
50					55					60					
Tyr	Gln	Gln	Lys	Pro	Glu	Gln	Ser	Pro	Lys	Leu	Leu	Ile	Tyr	Gly	Ala
65				70					75					80	
Ser	Asn	Arg	Tyr	Thr	Gly	Val	Pro	Asp	Arg	Phe	Thr	Gly	Ser	Gly	Ser
			85					90					95		
Ala	Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Val	Gln	Ala	Glu	Asp	Leu
		100					105					110			
Ala	Asp	Tyr	His	Cys	Gly	Gln	Gly	Tyr	Ser	Tyr	Pro	Tyr	Thr	Phe	Gly
	115					120					125				
Gly	Gly	Thr	Lys	Leu	Glu	Ile	Arg	Arg	Ala	Asp	Ala	Ala	Pro	Thr	Val
130					135					140					
Ser	Ile	Phe	Pro	Pro	Ser	Ser	Glu	Gln	Leu	Thr	Ser	Gly	Gly	Ala	Ser
145				150					155					160	
Val	Val	Cys	Phe	Leu	Asn	Asn	Phe	Tyr	Pro	Lys	Asp	Ile	Asn	Val	Lys
			165					170					175		
Trp	Lys	Ile	Asp	Gly	Ser	Glu	Arg	Gln	Asn	Gly	Val	Leu	Asn	Ser	Trp
		180					185					190			
Thr	Asp	Gln	Asp	Ser	Lys	Asp	Ser	Thr	Tyr	Ser	Met	Ser	Ser	Thr	Leu
	195					200					205				
Thr	Leu	Thr	Lys	Asp	Glu	Tyr	Glu	Arg	His	Asn	Ser	Tyr	Thr	Cys	Glu
210					215					220					
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Asn Glu Cys

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Phe	Ile	Ser	Ile	Leu	Leu	Trp	Leu	Tyr	Gly	Ala	Asp	Gly	Asn	Ile	Val
		20					25					30			
Met	Thr	Gln	Ser	Pro	Arg	Ser	Met	Ser	Met	Ser	Val	Gly	Glu	Arg	Val
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Thr	Leu	Thr	Cys	Arg	Ala	Ser	Glu	Asn	Val	Val	Thr	Tyr	Val	Ser	Trp
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/06/2007
PATENT APPLICATION: US/10/552,324A TIME: 11:16:33

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error explanation

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 213,288

FyI

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:5; Line(s) 368,369,370,371,372,373,374,375,376,377,378,379,380,381,382

7

VERIFICATION SUMMARY DATE: 03/06/2007
PATENT APPLICATION: US/10/552,324A TIME: 11:16:33

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Output Set: N:\CRF4\03062007\J552324A.raw

L:9 M:270 C: Current Application Number differs, Replaced Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:28 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:1
L:28 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:1
L:28 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:180
M:341 Repeated in SeqNo=1